

# Generation of Mab to IFN $\alpha$

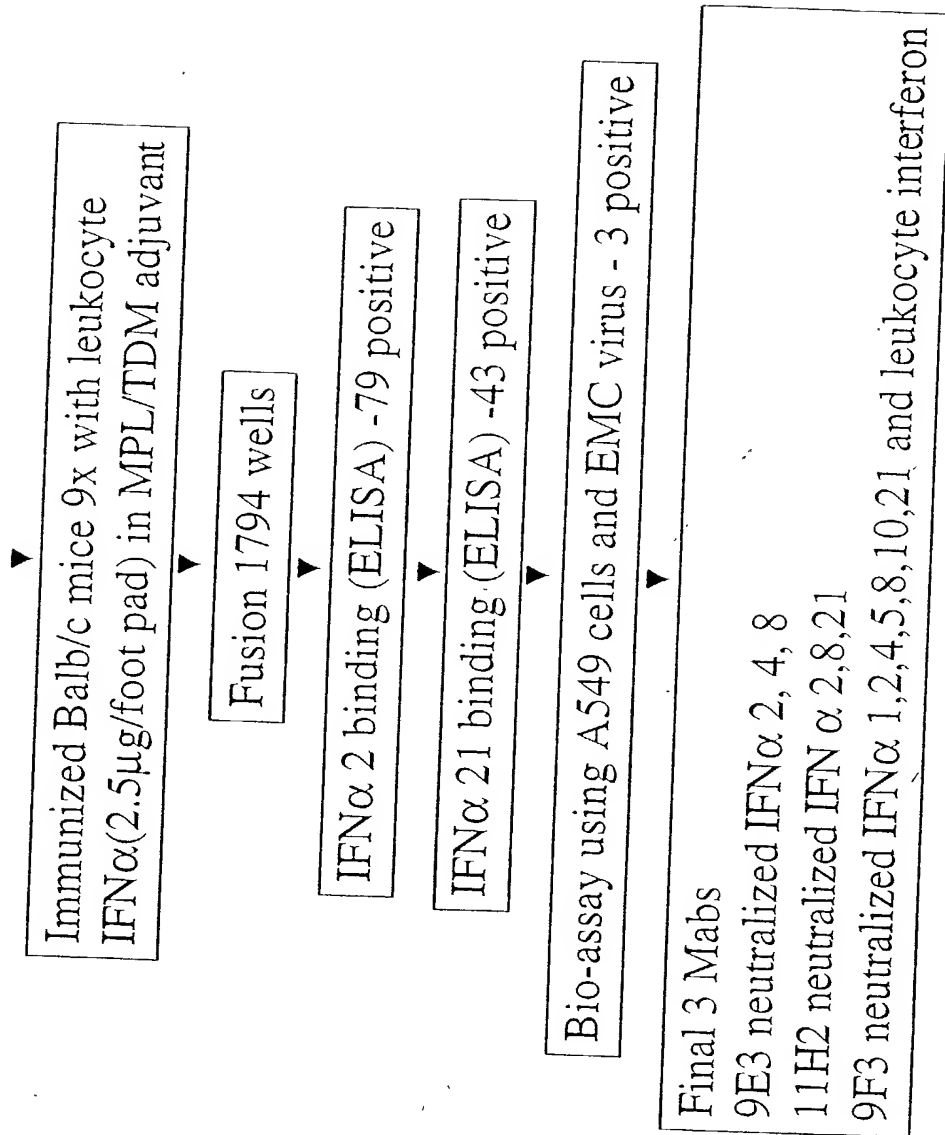


FIGURE 1

# Neutralization of IFN-alpha activities by mAb 9F3

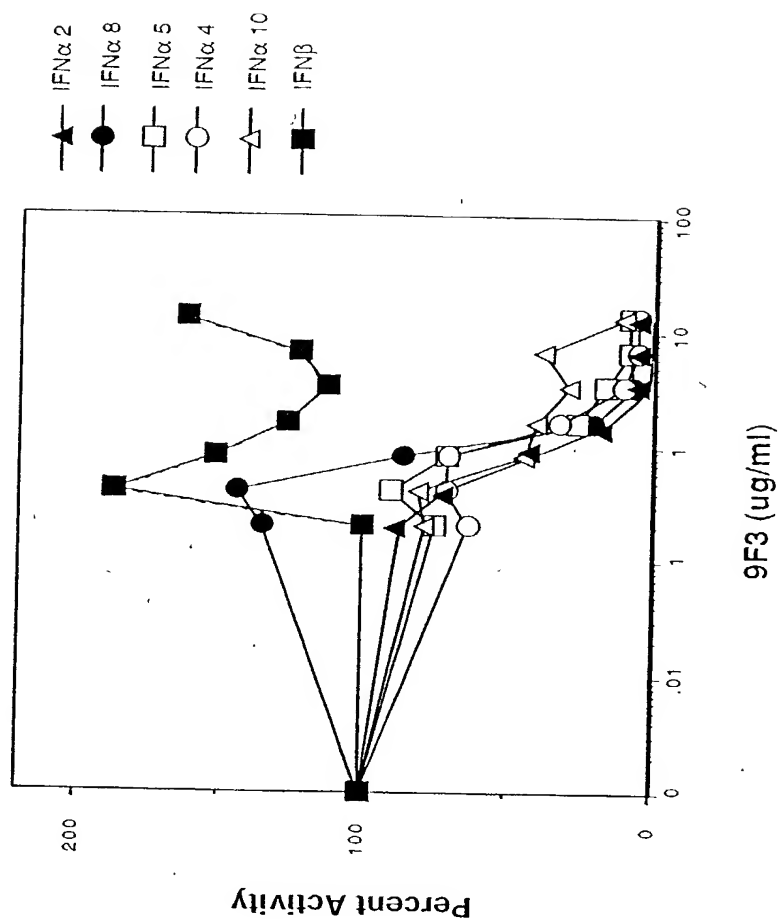


FIGURE 2

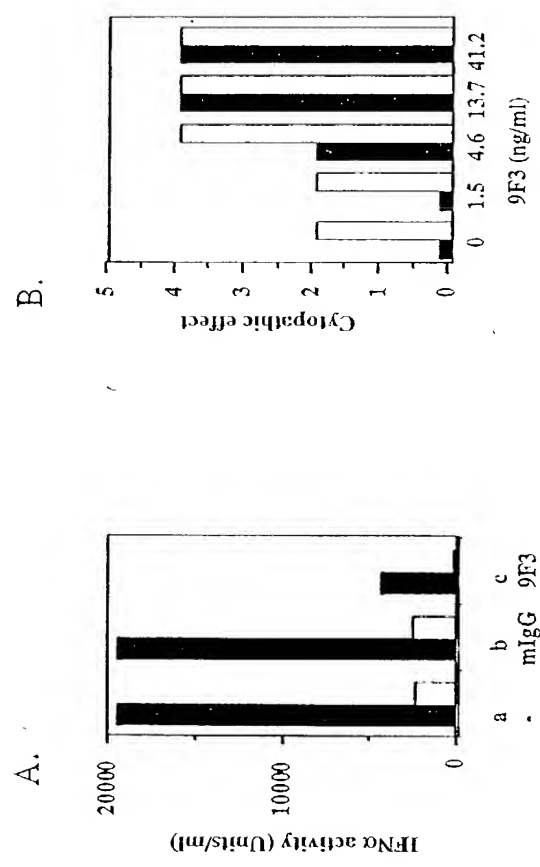


FIGURE 3

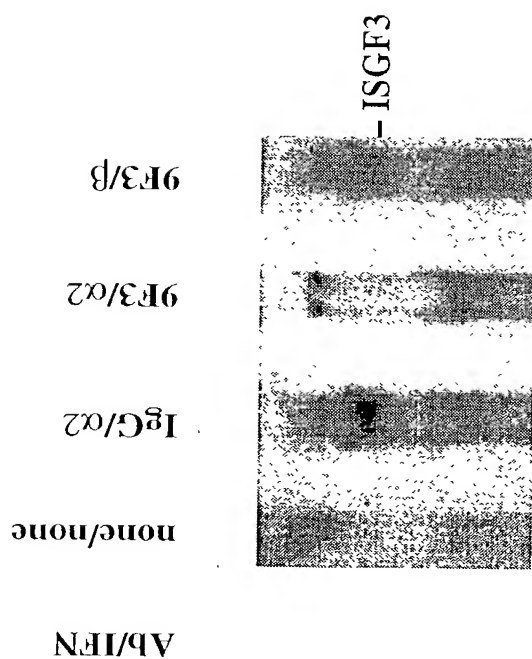


FIGURE 4

Figure 5A

Variable Light Domain

```

      1      10      20      30 abcd      40
murine DIVLTQSPASLAVSLGQRATISCRASQSVSTSSYSYMHWYQQKPGQPPKVLIS
      **      *      **      *      *      *      *      **
V13    DIQMTQSPSSLSASVGDRVTITCRASQSVSTSSYSYMHWYQQKPGKAPKVLIS
                        *      *      *      *      *      *      *
hukI   DIQMTQSPSSLSASVGDRVTITCRASQSI SN----YLA WYQQKPGKAPKLLIY
                        -----

      50      60      70      80      90
murine YASNLESGVPARFSGSGSGTDFTLNIHPVEEGDTATYFCQHSWGIPRTF
      *                        *      *      *      *      *
V13    YASNLESGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQHSWGIPRTF
      *      *                        *      *      *      *
hukI   AASSLESGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQQYNLSPWTF
      -----

      100
murine GAGTKLELRRAV
      *      *      *      *
V13    GQGTKVEIKRTV
hukI   GQGTKVEIKRTV
```

206070" 9694400T

Figure 5B

Variable Heavy Domain

	1	10	20	30	40	
murine	EVQLQQSGPELVKPGASVKISCKTSGYTFTEYIIHWVKQGHGRSLEWIG					
	** ** * * *** *					
V13	EVQLVESGGGLVQPGGSLRLSCATSGYTFTEYIIHWVRQAPGKGLEWVA					
	* * ** ***					
huIII	EVQLVESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVA					
	-----					
	50	a	60	70	80	abc
murine	SINPDYDITNYNQRFK GKATLTLDKSSRTAYLELRSLTSEDSAVYYCAS					
	* * * * *					
V13	SINPDYDITNYNQRFKGRFTISLDKSKRTAYLQMNSLRAEDTAVYYCAS					
	* * * * * * * * * *					
huIII	VISGDGGSTYYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCAR					
	-----					
	100					
murine	WISDFFDYWGQGTTLMVSAAS					
	*** *					
V13	WISDFFDYWGQGLTVTVSSAS					
	*****					
huIII	GRVGYDYWGQGLTVTVSSAS					
	-----					

10044396.010902

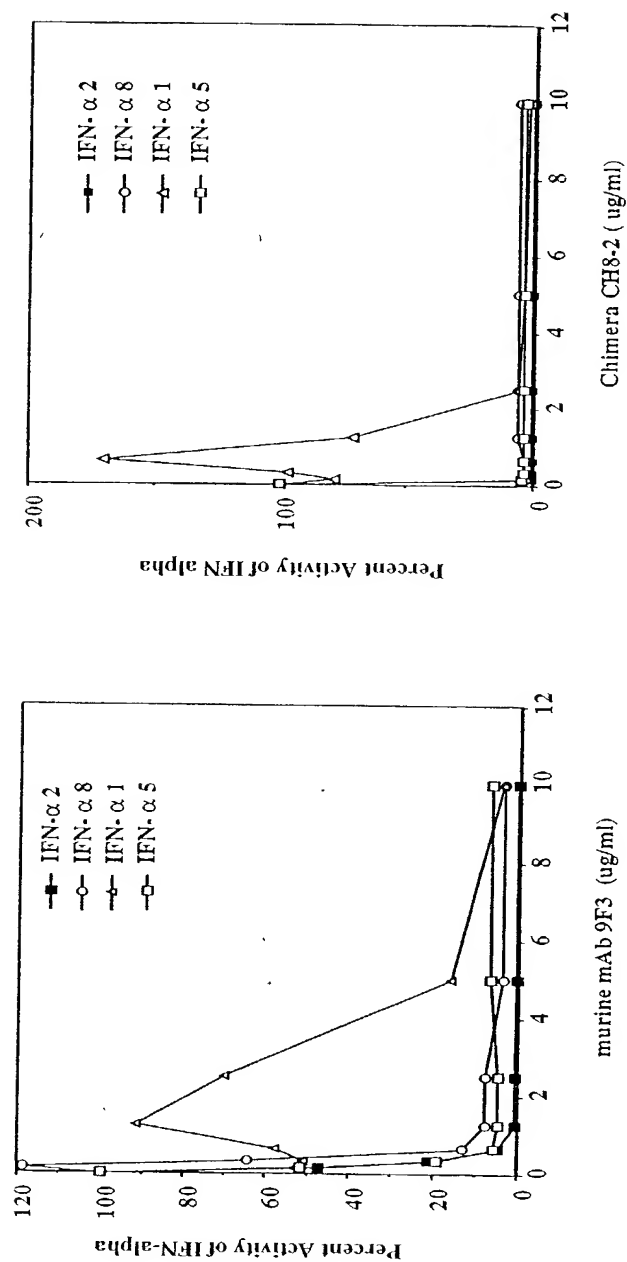


FIGURE 6

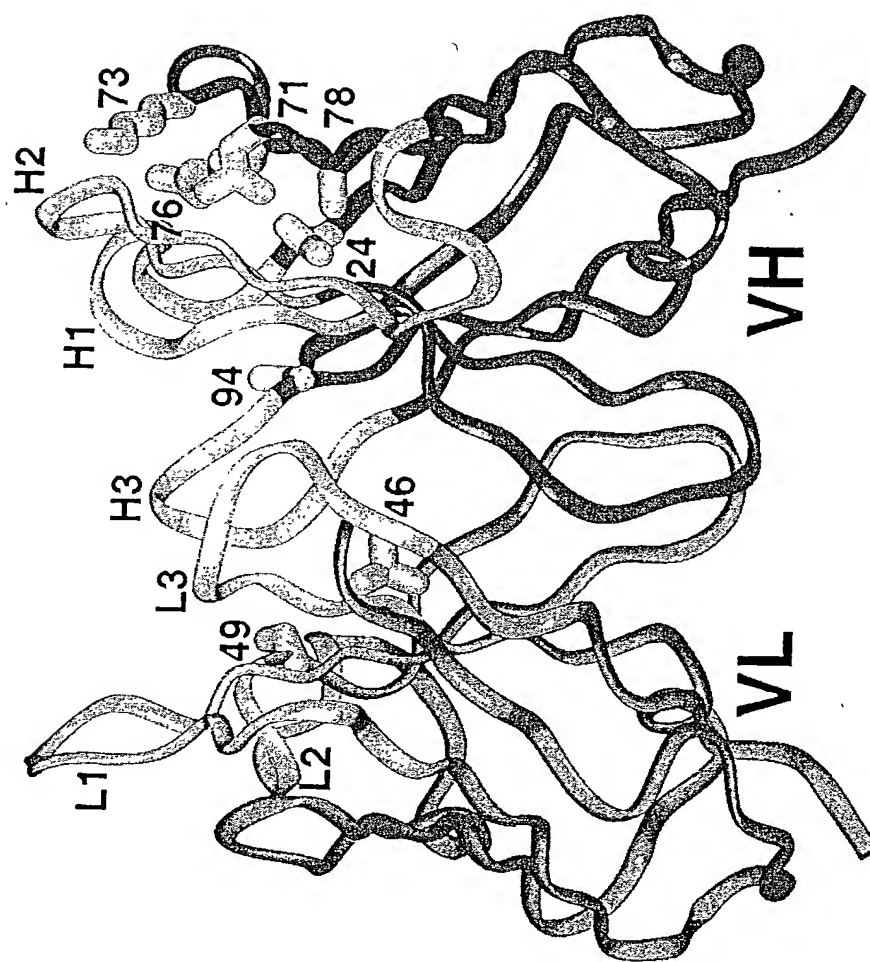


FIGURE 7